PATENT NANP133US

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being submitted via the USPTO EFS Filing System on the date shown below to Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: June 14, 2011

In re patent application of:

Inventor(s):

Maruoka

Examiner: Brenda Libby Coleman

Serial No:

10/587,467

Art Unit:

1624

Issue Date:

April 19, 2011

Patent No: 7,928,224

Title:

OPTICALLY ACTIVE QUATERNARY AMMONIUM SALT HAVING AXIAL

ASYMMETRY AND PROCESS FOR PRODUCING α-AMINO ACID AND

DERIVATIVE THEREOF WITH THE SAME

Certificate of Corrections Branch Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT

Dear Sir:

It is noted that errors appear in this patent of a clerical nature or character as more fully described below and it is believed such errors occurred in good faith and correction thereof does not involve such changes in the patent as would constitute new matter or would require reexamination. Accordingly, a Certificate of Correction is respectfully requested.

7,928,224 NANP133US

Attached hereto, are three forms PTO/SB/44 with at least one copy copy being suitable for printing.

The errors occur in the patent in columns 40-41, 97, 152, 173, 177, 181 – these errors and the correction thereof is detailed in the attached three forms PTO/SB/44.

The errors are believed to have been made by the Patent Office.

In the event any fees are due in connection with this paper, authorization is granted to charge such fees to Deposit Account No. 50-1063.

Please send the Certificate to:

Name: Gregory Turocy

Address: TUROCY & WATSON, LLP

57th Floor, Key Tower 127 Public Square Cleveland, Ohio 44114

Respectfully submitted,
TUROCY & WATSON, LLP

/Greg Turocy/

Gregory Turocy Reg. No. 36,952

TUROCY & WATSON, LLP 57th Floor, Key Tower 127 Public Square Cleveland, OH 44114 Telephone (216) 696-8730 Facsimile (216) 696-8731 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page __1__ of __3_

PATENT NO. : 7,928,224 APPLICATION NO.: 10/587,467

ISSUE DATE : April 19, 2011 INVENTOR(S) : Keiji Maruoka

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 40, Delete Lines 63-67 "and n is an integer from 1 to 12);

- (xii) -(CH_2)_n-S-R¹² (where R^{12} is a group selected from the group consisting of:
- (1) a hydrogen atom;
- (2) a C₁ to C₄ alkyl group that may be branched;"

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT NO.

7,928,224

APPLICATION NO.: 10/587,467

ISSUE DATE

: April 19, 2011

INVENTOR(S)

: Keiji Maruoka

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 41, Delete Lines 1-46 "(3) an aryl group, wherein the aryl group may be substituted with at least one group selected from the group consisting of:

a C₁ to C₄ alkyl group that may be branched,

a C₁ to C₅ alkoxy group that may be branched,

an aryl group that may be substituted with a C1 to C4 alkyl group that may be branched, a cyano group, -NR²⁰R²¹ (where R²⁰ and R²¹ are each independently a hydrogen atom or a C₁ to C₄ alkyl group), a nitro group, a carbamoyl group, an N-(C₁ to C₄ alkyl)carbamoyl group, an N,N-di(C1 to C4 alkyl)carbamoyl group, or NHCOR9 (where R9 is a C1 to C4 alkyl group that may be branched),

a cyano group,

 $-NR^{20}R^{21}$ (where R^{20} and R^{21} are each independently a hydrogen atom or a C_1 to C_4 alkyl group),

a nitro group,

a carbamoyl group,

an N-(C₁ to C₄ alkyl)carbamoyl group,

an N,N-di(C_1 to C_4 alkyl)carbamoyl group,

-NHCOR 9 (where R^9 is a C_1 to C_4 alkyl group that may be branched), and

a halogen atom; and

(4) a heteroaryl group, wherein the heteroaryl group may be substituted with at least one group selected from the group consisting

a C₁ to C₄ alkyl group that may be branched,

a C₁ to C₅ alkoxy group that may be branched,

an aryl group that may be substituted with a C1 to C4 alkyl group that may be branched, a cyano group. •NR²⁰R²¹ (where R²⁰ and R²¹ are each independently a hydrogen atom or a C1 to C4 alkyl group), a nitro group, a carbamoyl group, an N-(C1 to C4 alkyl)carbamoyl group, an N,N-di(C_1 to C_4 alkyl)carbamoyl group, or -NHCOR 9 (where R^9 is a C_1 to C_4 alkyl group that may be branched),

-NR 20 R 21 (where R 20 and R 21 are each independently a hydrogen atom or a C_1 to C_4 alkyl group),

a nitro group,

a carbamoyl group,

an N-(C₁ to C₄ alkyl)carbamoyl group,

an N,N-di(C1 to C4 alkyl)carbamoyl group,

-NHCOR9 (where R9 is a C1 to C4 alkyl group that may be branched), and

a halogen atom;"

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PATENT NO. : 7,928,224 APPLICATION NO.: 10/587,467

ISSUE DATE : April 19, 2011 INVENTOR(S) : Keiji Maruoka

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 97, Line 49, Delete "Pd(OAc)₂" and replace with "Pd(PAc)₂"

Column 152, Line 14, Delete "17%ee" and replace with "-17%ee"

Column 173, Line 42, Delete "K" so Line 42 reads "-NR²⁰R²¹ (where R²⁰ and R²¹ are each independently a"

Column 173, Line 51, Delete "000NR10rersil" (where R10" and replace with "OCONR10R11" (where

Column 177, Line 59, Delete "K" so Line 59 reads "-NR²⁰R²¹ (where R²⁰ and R²¹ are each indepen-"

Column 181, Line 29, Delete "R1" so Line 29 reads "and x is an integer from 1 to 12); or R⁷ and R⁸ are taken"

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